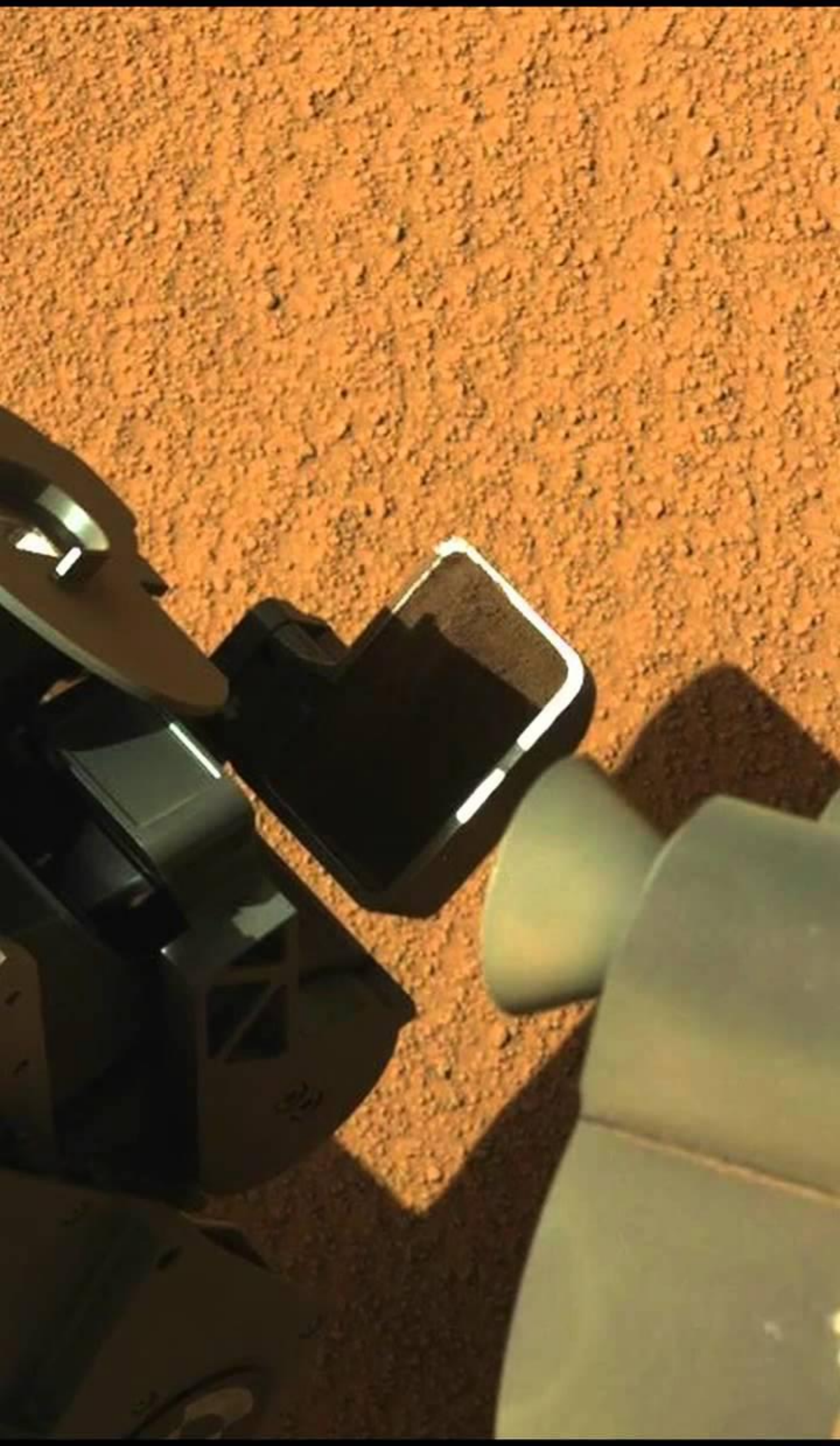

1
00:00:00,000 --> 00:00:05,000
(Music)

2
00:00:05,000 --> 00:00:10,000
Hi I'm Noah Warner, tactical up link lead for the Mars Science Laboratory mission and this is your Curiosity

3
00:00:10,000 --> 00:00:15,000
rover update. Curiosity is currently at the Rocknest location inside Gale Crater.

4
00:00:15,000 --> 00:00:21,000
When we first arrived at Rocknest, we performed a wheel scuff maneuver. This is our rover's version of kicking

5
00:00:21,000 --> 00:00:28,000
up dirt with your hiking boot to determine if the Rocknest area was indeed a good first scoop target.

6
00:00:28,000 --> 00:00:34,000
The first scoop was successfully performed on Sol 61 and the entire team was excited to see the Mastcam ima

7
00:00:34,000 --> 00:00:39,000
showing the scoopful of dirt, as well as the video of the vibration activities performed with the

8
00:00:39,000 --> 00:00:45,000
turret-mounted tools. This vibration allows the team to level out and remove any excess sample

9
00:00:45,000 --> 00:00:50,000
before closing the scoop, and it also provides some insight into the makeup of the soil.

10
00:00:50,000 --> 00:00:54,000
Any large particles would tend to float up to the top as the entire sample is vibrated,

11
00:00:54,000 --> 00:00:58,000
much the same way you would shake out the marshmallows in your box of Lucky Charms.

12
00:00:58,000 --> 00:01:04,000
Looking carefully at images, the team noticed a bright object lying on the ground just in front

13
00:01:04,000 --> 00:01:08,000

of the rover. We typically call something like this FOD, Foreign Object Debris.

14
00:01:08,000 --> 00:01:14,000
The ChemCam remote micro-imager captured a high-resolution image of the object showing that

15
00:01:14,000 --> 00:01:19,000
it's most likely a benign piece of plastic or shrink tube left over from a terminated wire.

16
00:01:19,000 --> 00:01:24,000
This could've possibly come from the rover or from the descent stage separation event during landing.

17
00:01:24,000 --> 00:01:30,000
Curiosity processed the scoop sample through CHIMRA, our labyrinth of passageways at the end of the arm th

18
00:01:30,000 --> 00:01:36,000
we use to sieve and portion the soil sample. We did some internal sandblasting by vibrating the sample at

19
00:01:36,000 --> 00:01:42,000
different orientations on the turret in order to remove any internal contamination. The team dropped the first

20
00:01:42,000 --> 00:01:47,000
scoop off to the left side of the rover, and in upcoming sols,we will make our first attempt to drop off

21
00:01:47,000 --> 00:01:52,000
sample to the observation tray and the CheMin instrument. We plan to be at Rocknest for the